

East @ USPB, USPT, WPIQ JPO

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	108204	"oh group\$" or "hydroxyl group"	US-PGPUB; USPAT	OR	OFF	2006/05/11 15:56
L2	367348	silica	US-PGPUB; USPAT	OR	ON	2006/05/11 16:10
L3	181864	aggregat\$	US-PGPUB; USPAT	OR	ON	2006/05/11 16:10
L4	0	"primary particl\$" or "primary particul\$"	US-PGPUB; USPAT	OR	ON	2006/05/11 15:57
L5	44824	primary with (paticl\$ or particul\$)	US-PGPUB; USPAT	OR	ON	2006/05/11 16:15
L6	0	1 same 2 same 3 same 5	US-PGPUB; USPAT	OR	ON	2006/05/11 15:58
L7	1	1 same 2 same 5	US-PGPUB; USPAT	OR	ON	2006/05/11 15:58
L8	243488	(oh or hydroxyl) with group	US-PGPUB; USPAT	OR	ON	2006/05/11 15:58
L9	304129	(oh or hydroxy or hydroxyl) with group	US-PGPUB; USPAT	OR	ON	2006/05/11 16:16
L10	245	2 same 3 same 9	US-PGPUB; USPAT	OR	ON	2006/05/11 15:59
L11	0	5 same 10	US-PGPUB; USPAT	OR	ON	2006/05/11 15:59
L12	51	2 same 3 same 5	US-PGPUB; USPAT	OR	ON	2006/05/11 16:00
L13	0	12 same (oh or hydroxyl or hydroxy) same group	US-PGPUB; USPAT	OR	ON	2006/05/11 16:00
L14	0	12 same (oh or hydroxyl or hydroxy)	US-PGPUB; USPAT	OR	ON	2006/05/11 16:01
L15	3170858	nm or nms or nanometer or "nano meter" or ang or angstrom or mu or mus or micron or diameter or radius or size or dimension	US-PGPUB; USPAT	OR	ON	2006/05/11 16:07
L16	32	12 same 15	US-PGPUB; USPAT	OR	ON	2006/05/11 16:02
L17	159447	(oh or hydroxy or hydroxyl) with group	JPO; DERWENT	OR	ON	2006/05/11 16:10
L18	146409	silica	JPO; DERWENT	OR	ON	2006/05/11 16:07
L19	83425	aggregat\$	JPO; DERWENT	OR	ON	2006/05/11 16:19
L20	1741	primary with (paticl\$ or particul\$)	JPO; DERWENT	OR	ON	2006/05/11 16:10

## EAST Search History

L21	2196336	nm or nms or nanometer or "nano meter" or ang or angstrom or mu or mus or micron or diameter or radius or size or dimension	JPO; DERWENT	OR	ON	2006/05/11 16:11
L22	9	18 and 19 and 20	JPO; DERWENT	OR	ON	2006/05/11 16:08
L23	7	22 and (17 or 21)	JPO; DERWENT	OR	ON	2006/05/11 16:08
L24	9	22 or 23	JPO; DERWENT	OR	ON	2006/05/11 16:08
L25	115698	((oh or hydroxy or hydroxyl) with group).clm.	US-PGPUB; USPAT	OR	ON	2006/05/11 16:10
L26	56784	silica.clm.	US-PGPUB; USPAT	OR	ON	2006/05/11 16:10
L27	24687	aggregat\$.clm.	US-PGPUB; USPAT	OR	ON	2006/05/11 16:10
L28	1965	(primary with (paticl\$ or particul\$)).clm.	US-PGPUB; USPAT	OR	ON	2006/05/11 16:11
L29	884937	(nm or nms or nanometer or "nano meter" or ang or angstrom or mu or mus or micron or diameter or radius or size or dimension).clm.	US-PGPUB; USPAT	OR	ON	2006/05/11 16:11
L30	7	26 and 27 and 28	US-PGPUB; USPAT	OR	ON	2006/05/11 16:20
L31	7	30 and (25 or 29)	US-PGPUB; USPAT	OR	ON	2006/05/11 16:13
L32	130659	sio or "sio2" or "si dioxide" or "silicon dioxide"	US-PGPUB; USPAT	OR	ON	2006/05/11 16:18
L33	5	3 same 5 same 32	US-PGPUB; USPAT	OR	ON	2006/05/11 16:19
L34	5	33 same (15 or 9)	US-PGPUB; USPAT	OR	ON	2006/05/11 16:16
L35	23737	(sio or "sio2" or "si dioxide" or "silicon dioxide").clm.	US-PGPUB; USPAT	OR	ON	2006/05/11 16:17
L36	0	35 and 27 and 28	US-PGPUB; USPAT	OR	ON	2006/05/11 16:18
L37	138971	sio or "sio2" or "si dioxide" or "silicon dioxide"	JPO; DERWENT	OR	ON	2006/05/11 16:18
L38	0	19 and 20 and 37	JPO; DERWENT	OR	ON	2006/05/11 16:19
L39	44325	"si oxide" or "silicon oxide"	JPO; DERWENT	OR	ON	2006/05/11 16:19
L40	0	3 same 5 same 39	US-PGPUB; USPAT	OR	ON	2006/05/11 16:19

## EAST Search History

L41	0	("si oxide" or "silicon oxide").clm.	JPO; DERWENT	OR	ON	2006/05/11 16:20
L42	23501	("si oxide" or "silicon oxide").clm.	US-PGPUB; USPAT	OR	ON	2006/05/11 16:20
L43	0	42 and 27 and 28	US-PGPUB; USPAT	OR	ON	2006/05/11 16:20

STN: Caplus, Japio, Inspe, USPAT  
STN Columbus

(FILE 'HOME' ENTERED AT 14:54:54 ON 11 MAY 2006)

FILE 'CAPLUS' ENTERED AT 14:55:00 ON 11 MAY 2006

L1 223473 S AGGREGAT?  
L2 11124 S PRIMARY(3A) (PARTICL? OR PARTICUL?)  
L3 120875 S (OH OR HYDROXYL) (3A)GROUP?  
L4 19 S L1 AND L2 AND L3

FILE 'JAPIO' ENTERED AT 14:56:01 ON 11 MAY 2006

L5 3 S L4

FILE 'INSPEC' ENTERED AT 14:56:16 ON 11 MAY 2006

L6 3 S L4

FILE 'CAPLUS' ENTERED AT 14:56:36 ON 11 MAY 2006

L7 947 S (OH OR HYDROXY) (3A) (NM OR NMS OR NANONMETER?)  
L8 1008 S (OH OR HYDROXY) (3A) (NM OR NMS OR NANOMETER?)  
L9 1 S L1 AND L2 AND L8  
L10 1 S L9 NOT L4

FILE 'JAPIO' ENTERED AT 14:57:46 ON 11 MAY 2006

L11 0 S L10

FILE 'INSPEC' ENTERED AT 14:57:54 ON 11 MAY 2006

L12 0 S L10

FILE 'CAPLUS' ENTERED AT 14:58:04 ON 11 MAY 2006

L13 114094 S (OH OR HYDROXY) (8A) (NM OR NMS OR NANOMETER? OR GROUP?)  
L14 10 S L1 AND L2 AND L13  
L15 178339 S (OH OR HYDROXY?) (8A) (NM OR NMS OR NANOMETER? OR GROUP?)  
L16 23 S L1 AND L2 AND L15  
L17 4 S L16 NOT L4

FILE 'JAPIO' ENTERED AT 15:00:05 ON 11 MAY 2006

L18 2 S L17

FILE 'INSPEC' ENTERED AT 15:00:20 ON 11 MAY 2006

L19 1 S L17

FILE 'USPATFULL' ENTERED AT 15:00:44 ON 11 MAY 2006

L20 272978 S L15  
L21 163489 S L1  
L22 27460 S L2  
L23 53 S L20(P)L21(P)L22

STN 8 Caplus

STN Columbus

(FILE 'HOME' ENTERED AT 13:40:02 ON 11 MAY 2006)

FILE 'CAPLUS' ENTERED AT 13:40:09 ON 11 MAY 2006

L1	11124 S PRIMARY(3A) (PARTICL? OR PARTICUL?)
L2	138625 S AGGREGATE?
L3	675849 S SILICA?
L4	262 S L1 AND L2 AND L3
L5	2123312 S MICRON? OR NANOMETER? OR MU OR MUS OR NM OR NMS OR NANO(W)MET
L6	1935910 S SIZE? OR DIMENSION? OR WIDTH? OR DIAMETER? OR RADIUS
L7	181 S L4 AND L6
L8	149 S L5 AND L4
L9	44 S L8 NOT L7
L10	4635 S (L1 OR L2) (15A) L3
L11	51 S L7 AND L8 AND L10
L12	51 S L11 NOT L9